

determining an integration time period for performing a coherent integration based on the measured strength of signals; and

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searching for the signal to be detected using a correlator for the determined integration time period,

wherein the step of determining the integration time period include the step of determining a power spectrum density ratio by measuring samples over a twenty millisecond time period, wherein the power spectrum density ratio is used to determine the integration time period.

12 13. (once amended) The method of claim 1, wherein a long integration time period is determined if the power spectrum density ratio is small.

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13 14. (once amended) The method of claim 1, wherein a short integration time period is determined if the power spectrum density ratio is large.

REMARKS

Request for reconsideration in view of the above amendments and below remarks is being requested. Claims 1-11 and 13-14 are now in this application. Claims 1 and 13-14 have been amended. Claim 12 has been cancelled.

Attached are corrected drawings incorporating the approved drawing corrections filed on 04-16-02.

Claims 1-7 and 10 were rejected under 35 USC §102(e) as being anticipated by Westcott et al (US Pat 6,298,083), and claims 8-9 and 11 rejected under 35 USC §103(a) as being unpatentable over Westcott et al as applied to claim 1 and further in view of applicant's disclosed prior art. Claims 12-14 were objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claim 1 has been amended to include the limitations recited in claim 12, and claims 13 and 14 have been amended to now depend upon amended claim 1. Claim 1, as amended, is now felt to be patentable under 35 USC §102(e) as being anticipated by Westcott et al.



Claims 2-7 and 10 depend upon and include all the limitations of amended claim 1 and, thus, are also now felt to be patentable under 35 USC §102(e) over Westcott et al.

Claims 8-9 and 11 depend upon and include all the limitations of claim 1 and, thus, are also now felt to be patentable under 35 USC §103(a) over Westcott et al in view of applicant's disclosed prior art.

For the reasons discussed above, it is felt that the application is now in condition for allowance.

One month extension fee is due.

Respectfully submitted,
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Marked Up Version of Replacement Claims

Replace claims 1 and 13-14.

1. (twice amended) A method for detecting a plurality of signals comprising the steps of:
 - measuring a strength of signals being transmitted on a frequency associated with a signal to be detected;
 - determining an integration time period for performing a coherent integration based on the measured strength of signals; and
 - searching for the signal to be detected using a correlator for the determined integration time period,
wherein the step of determining the integration time period include the step of determining a power spectrum density ratio by measuring samples over a twenty millisecond time period, wherein the power spectrum density ratio is used to determine the integration time period.
13. (once amended) The method of claim 1 [12], wherein a long integration time period is determined if the power spectrum density ratio is small.
14. (once amended) The method of claim 1 [12], wherein a short integration time period is determined if the power spectrum density ratio is large.